IN THE CLAIMS:

Claim 1 (currently amended): A method of detecting and removing unstripped residual shell left on shellfish, comprising:

irradiating light ~~of specific wave range~~ at a peak wavelength of 254 nm onto stripped shellfish after finishing a shell-stripping work on the shellfish, determining if there is residual shell on the stripped shellfish and subsequently removing any residual shell~~, wherein the shellfish is shrimp and crab and when the shellfish is shrimp a peak wavelength of irradiating light is 352 nm or less and when the shellfish is crab a peak wavelength is less than 400 nm~~.

Claim 2 (currently amended): A method of detecting and removing unstripped residual shell left on shellfish, comprising:

irradiating light ~~of specific wave range~~ at a peak wavelength of 254 nm onto stripped shellfish after finishing the shell stripping work on the shellfish,

taking an image of the stripped shellfish with a CCD camera, and on the basis of information on the intensity of fluorescent light emitted from the fetched image of shellfish, determining if there is residual shell on the stripped shellfish and subsequently removing any residual shell~~, wherein the shellfish is shrimp and crab and when a shellfish is shrimp the peak wavelength of irradiating light is 352 nm or less and when the shellfish is crab a peak wavelength is less than 400 nm~~.

Claim 3 (canceled)

Claim 4 (canceled)

Claim 5 (currently amended): An apparatus for detecting and removing unstripped residual shell left on shellfish, said apparatus comprising;

a means for irradiating light ~~of specific wave range~~ at a peak wavelength of 254 nm onto stripped shellfish after finishing the shell-stripping work on the shellfish;

detection means for determining if there is left a residual shell of the shellfish on the stripped shellfish on the basis of information obtained from said detection means; and

means for removing any residual shell on the basis of information from said determining means~~, wherein the shellfish is shrimp and crab and when the shellfish is shrimp a peak wavelength of irradiating light is 352 nm or less and when the shellfish is crab a peak wavelength is less than 400 nm~~.

Claim 6 (currently amended): An apparatus for detecting and removing unstripped residual shell left on shellfish, said apparatus comprising;

a means for irradiating a light ~~of specific wave range~~ at a peak wavelength of 254 nm onto stripped shellfish after finishing the shell-stripping work on the shellfish;

a CCD camera disposed to face said stripped shellfish; a means for determining if there is

residual shell on the stripped shellfish on the basis of information on the intensity of fluorescent

light that can be obtained from the image taken by said CCD camera; and

means for removing any residual shell on the basis of information from said determining

means, ~~wherein the shellfish is shrimp and crab and when the shellfish is shrimp a peak~~

~~wavelength of irradiating light is 352 nm or less and when the shellfish crab a peak wavelength~~

~~is less than 400 nm~~.

Claim 7 (canceled)

Claim 8 (canceled)